

Amendment to the Claims:

The claims under examination in this application, including their current status and changes made in this paper, are respectfully presented.

1 (currently amended). A method of downloading a program to a data processor in a system having at least one data processor, comprising:

providing the program in an executable file together with non-program information comprised of at least one platform requirement for execution of the program;

retrieving the program and non-program information;

determining, from the non-program information in the executable file, whether a at least one data processor in the system satisfies the at least one platform requirement for the retrieved program; and

responsive to the determining step, downloading the program to one of the at least one data processors that satisfies the platform requirement.

2 (previously presented). The method of Claim 1, wherein the non-program information further comprises configuration information;

and further comprising:

configuring the data processor using the configuration information.

3 (previously presented). The method of Claim 1, further comprising:

selecting the data processor from a plurality of data processors in the system, using the at least one platform requirement.

4 (previously presented). The method of Claim 1, wherein said providing step includes providing the program and the non-program information in a COFF executable file.

5 (previously presented). The method of Claim 1, wherein said providing step includes using a compiler/linker to combine a first file containing the non-program information with a second file containing the program.

6 (previously presented). The method of Claim 1, wherein said providing step includes providing the non-program information in a non-downloadable section of the executable file.

7 (canceled).

8 (canceled).

9 (previously presented). The method of Claim 1 2, wherein said configuration information includes a data processor setup parameter associated with said program.

10 (canceled).

11 (previously presented). The method of Claim 1, wherein said providing step includes converting input information into said non-program information which is suitable for integration with the program in the executable file.

Claims 12 through 19 are canceled.

20 (previously presented). The method of Claim 1, further comprising:  
providing universally unique identifiers for uniquely identifying each of a plurality of programs and their respectively corresponding non-program information; and  
integrating the corresponding universally unique identifier into the executable file along with the program and the corresponding non-program information.

21 (previously presented). The method of Claim 1, wherein said providing step includes integrating a plurality of programs and non-program information corresponding to each of the plurality of programs into a single executable file.

22 (previously presented). The method of Claim 21, further comprising:  
storing, in a file storage facility, a plurality of executable files, each of which includes a program and corresponding non-program information.

23 (currently amended). A data processing apparatus, comprising:  
a first data processor;

a file storage facility coupled to said first data processor, said file storage facility including an executable file containing a program and non-program information comprised of at least one platform requirement for execution of said program; and

wherein said first data processor is programmed to perform a sequence of operations comprising:

obtaining said program and said non-program information from said file storage facility;

determining, from the non-program information in the executable file, whether a second data processor satisfies the at least one platform requirement for the obtained program; and

responsive to said second data processor satisfying the at least one platform requirement, downloading said program to said second data processor.

24 (currently amended). A data processing apparatus, comprising:

a first data processor;

a second data processor coupled to said first data processor; and

a file storage facility coupled to said first data processor, said file storage facility including an executable file containing a program and non-program information comprised of at least one platform requirement for execution of said program; and

wherein said first data processor is programmed to perform a sequence of operations comprising:

obtaining said program and said non-program information from said file storage facility;

determining, from the non-program information in the executable file, whether said second data processor satisfies the at least one platform requirement for the obtained program; and

responsive to said second data processor satisfying the at least one platform requirement, downloading said obtained program to said second data processor.

25 (currently amended). The system apparatus of Claim 24, wherein the first and second data processors are provided on a single integrated circuit chip.

26 (currently amended). The ~~system~~ apparatus of Claim 25, further comprising:  
a man/machine interface coupled to said first data processor for permitting communication between said first data processor and a user.

27 (currently amended). The ~~system~~ apparatus of Claim 26, wherein said man/machine interface includes at least one of a tactile interface and a visual interface.

28 (currently amended). The ~~system~~ apparatus of Claim 24, wherein said first data processor is a microprocessor and said second data processor is a digital signal processor.

29 (currently amended). The ~~system~~ apparatus of Claim 24, including a third data processor coupled to said first data processor;

and wherein the first data processor is also programmed to select one of the second and third data processors, using said non-program information.

30 (currently amended). The ~~system~~ apparatus of Claim 29, wherein the first, second, and third data processors provided on a single integrated circuit chip.

Claims 31 and 32 are canceled.

33 (currently amended). The ~~system~~ apparatus of Claim 24, wherein the non-program information further comprises configuration information;

and wherein said first data processor is also programmed to configure said second data processor using said configuration information.